



PATRIOT POWER VOYAGER XL

POWER BANK



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**PLEASE READ THIS ENTIRE MANUAL BEFORE ATTEMPTING
TO USE THIS PRODUCT.**

Improper use may result in fire, property damage or personal injury.

DANGER: This is not a toy. The outlet produces the same power as household AC outlets and is just as dangerous for children to play with.

DANGER: Do not use near open flames or flammable gas.

DANGER: This unit is not waterproof nor safe to use in water; risk of electric shock.

DANGER: Do not open the unit or put foreign objects into the ports.

TABLE OF CONTENTS

SAFETY GUIDELINES.....4

SYMBOLS & TERMS.....5

FEATURES.....7

PRODUCT USE INSTRUCTIONS.....9

CALCULATING RUN TIME.....11

TROUBLESHOOTING.....12

MAINTENANCE & CLEANING.....13

TECHNICAL SPECIFICATIONS.....13

ENVIRONMENTAL CONSIDERATIONS.....14

WARRANTY INFORMATION.....15

COMPLIANCE & REGULATIONS.....16

SAFETY GUIDELINES

This product is intended to power consumer devices on the go. It is not intended for commercial use or as a toy and should be operated in accordance with all guidelines contained in this manual. Always use in a dry environment.

WARNING:

- 1. Avoid dangerous environments.** Do not charge this item in rain, snow or other damp environments. Do not use this item or charger in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials) because sparks may be generated when charging or discharging this item, possibly causing fire.
- 2. Charge in a well-ventilated area.** Do not allow smoking or open flames near a charging battery. Use caution when charging outdoors; surface of generator may get very hot. Handle with care.
- 3. Do not burn or incinerate this item.** This item may explode, causing personal injury or damage. Toxic fumes and materials are created when batteries are burned.
- 4. Do not crush, drop or damage this item.** Do not use this item if it has received a sharp blow or has been dropped, run over or damaged in any way (e.g., pierced with a nail, hit with a car, etc.).
- 5. Do not disassemble.** There are no serviceable parts. Disassembly increases the risk of electric shock, fire and exposure to battery chemicals that may cause personal injury or damage.
- 6. Battery chemicals cause serious burns.** Never allow battery chemicals into contact with skin, eyes or mouth. If this item leaks battery chemicals, use rubber or neoprene gloves to dispose of the leaked chemicals.
- 7. Do not short-circuit.** This item will short-circuit if a metal object makes connection to the AC or DC output ports. Do not place this item near anything that may cause a short circuit, such as coins, keys or nails. A short-circuited battery may cause fire and personal injury.
- 8. Never charge or jump-start a frozen battery.**

9. Store this item in a cool, dry place. Do not store this unit for more than 10 days in an environment where temperatures may exceed 120°F (49°C), such as direct sunlight, a vehicle or metal building during the summer. Doing so may cause damage to the unit.

10. This product is not intended for commercial applications.

SAFETY FEATURES:


- Overheating protection with automatic shutdown
- High/low voltage protection with automatic shutdown
- Short circuit protection
- Automatic charging turnoff


Customer service: 1-800-304-4202


SYMBOLS & TERMS

IMPORTANT SYMBOLS

The following symbols are used in this guide:

 **DANGER** Danger indicates conditions or actions that may cause bodily harm, including death.

 **WARNING** Warning indicates conditions or actions that may cause bodily harm.

 **CAUTION** Caution indicates conditions or actions that can damage the equipment.

NOTE: *Notes are helpful advice for getting the most out of your appliance.*

IMPORTANT TERMS

The following terms are helpful for you to know and are used in this guide:

Term	Definition
A	Ampere or Amp
Ah	Amp-hour
AC	Alternating Current
DC	Direct Current
Hz	Hertz
kW	Kilowatt; 1,000 Watts
kWh	Kilowatt-hour
LED	Light Emitting Diode
LCD	Liquid-crystal display
mA	Milliampere; 1/1000th of an ampere
PV	Photovoltaic
VAC	Volts AC
VDC	Volts DC
W	Watts
Wh	Watt-hour

FEATURES

WHAT'S INCLUDED IN THE PACKAGE:

- x1 4Patriots Patriot Power Voyager XL Power Bank
- x1 AC power adapter for recharging from a wall outlet, 1.5 meters
- x1 User Manual

The 4Patriots Patriot Power Voyager XL Power Bank is your go-to for power on the move. It's about the size of a paperback novel (8.8 x 6.1 inches) and weighs only 2.6 lbs. It has 2 USB-A outlets, 2 USB-C outlets and a three-prong AC outlet. It holds 96 watt-hours of power and, with its pure sine wave output, can power any device up to 120 watts.

To use, simply charge up the lithium-iron phosphate rechargeable battery—you can either charge at home by plugging it into your wall outlet or charge on-the-go using the 4Patriots 60 watt solar panel— and then power it on before you plug in your devices. It runs silently and never requires fuel, so you can use it indoors safely, even around children.

The Patriot Power Voyager XL is very simple and really only has 3 major parts: the Main Unit, the LCD screen and the Charging Cable.

MAIN UNIT



The body of the Patriot Power Voyager XL Power Bank holds two parts: the rechargeable battery and the inverter. These are tucked safely behind a casing of strong PC and ABS plastics. This plastic exterior protects the battery chemicals and the delicate inverter parts, and provides a great non-slip surface to make carrying your Patriot Power Voyager XL even easier.

The battery is a chemical mix of lithium, iron, and other minerals that change chemical composition as electrical power is added or removed. The battery is good for 2,000 charge and discharge cycles, so you don't have to worry about your battery dying from overuse.

The inverter is what changes the DC current of the battery into the AC current that many of your household appliances use. It makes the three-prong outlet work from a battery.

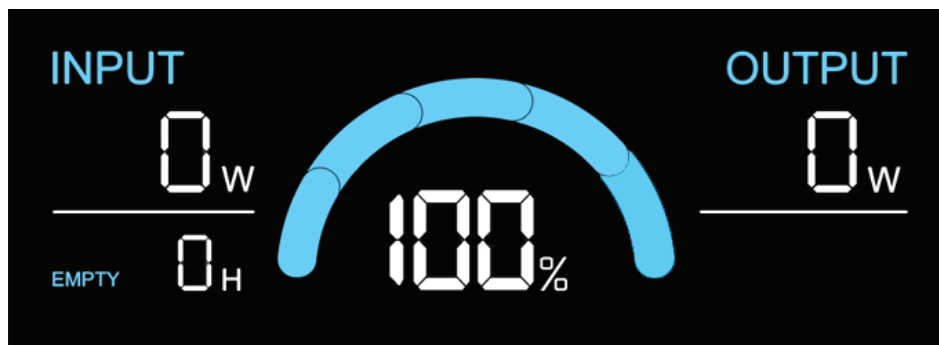
USB PORTS & BUTTON

On the left-hand side of the unit's face are two USB-A and USB-C ports. The bottom USB-C port is both input and output, as marked. Full technical specifications can be found on page 13. To turn on these ports, simply plug in a USB-powered device. To turn off the ports, press the left button.

AC PORT & BUTTON

On the right-hand side of the unit's face is the AC port. To activate this port: Press the right button to activate the plug, then plug in your device.

LCD SCREEN



The LCD Screen is your window into what is happening inside the Patriot Power Voyager XL Power Bank. The top left corner shows the watts of input from either AC or solar DC charging. The bottom left gives an approximate estimate of how long it will take to either fully charge or fully empty the Patriot Power Voyager XL, depending on the load. The top right corner shows the output wattage of whatever you are powering up. The center graphic displays the total power left in the battery.

The LCD screen will turn off after a few minutes of non-use to help preserve battery power, but simply tap either of the buttons below the screen to light it right back up.

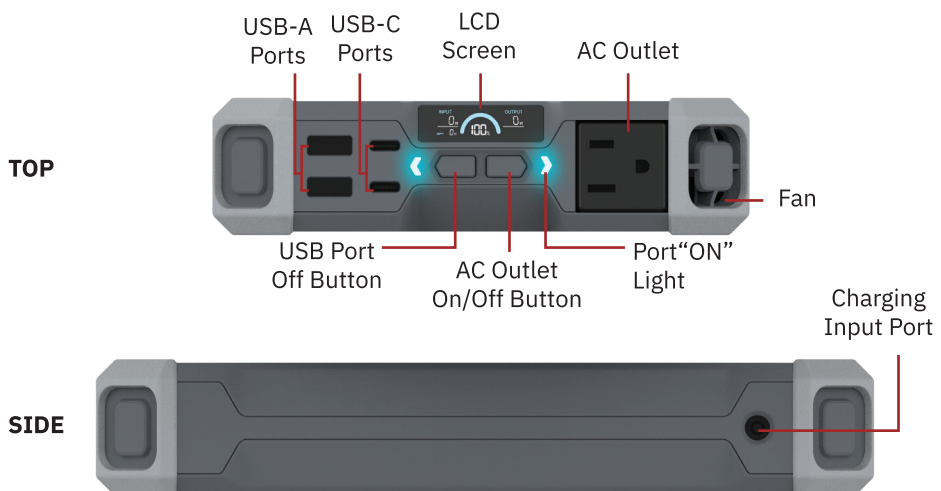
AC POWER CORD

- 110V, 50/60 mhz
- Length: 59 inches
- 24V, 5.0A, 120W

This UL-listed AC/DC power adapter is specifically designed to power up the Patriot Power Voyager XL Power Bank from any home outlet. Using this approved power cord allows you to fully charge the Patriot Power Voyager XL from nearly empty to completely full in about 1-2 hours.

PRODUCT USE INSTRUCTIONS

This power bank is able to power/recharge 120VAC devices that require up to 120 watts of power via the AC plug, with a pure sine wave inverter that works just like the plugs at home and is safe for electronics. The USB ports can power most electronic devices that draw power from a USB source. To use your Patriot Power Voyager XL, simply charge it up to have powered outlets on the go.




1. Recharging the Patriot Power Voyager XL via wall outlet:

- Using the included charging cord, plug the barrel end into the input port on the left side of the unit. See diagram on page 9.
- Plug the AC prongs into any standard US electrical outlet.
- The screen will automatically turn on to show input rate and expected time to full. When it is fully charged, it will display “100%” and automatically turn off charging. Before first use, charge completely to full.

Total time to charge the unit - About 1-2 hours

NOTE: It is expected that the unit will get warm to the touch because of the chemical processing of charging. You can also charge the device using the top USB-C port with a USB-C cable (not included). At full speed, it will take 2 hours.


 **CAUTION:** Be sure to charge your Patriot Power Voyager XL at least every six months to maintain battery capacity.

2. Recharging the Patriot Power Voyager XL via solar panel:

- For the 4Patriots 40 or 60 watt solar panel, connect the panel using a barrel cable to the input port on the side of the Patriot Power Voyager XL.
- For the 4Patriots PocketSun Solar Panel, use a USB-C cable to connect the panel to the unit, using the top USB-C port on the unit. See diagram on page 9.
- Set the solar panel in full sun outdoors.
- The screen will automatically turn on and show input rate and expected time to full. When it is fully charged, it will display “fully charged” and automatically turn off charging. Before first use, charge completely to full.

NOTE: It is expected that the unit will get warm to the touch because of the chemical processing of charging. To avoid shutdown due to overheating, be sure to keep the Patriot Power Voyager XL unit in the shade while solar charging.

Total time to charge the unit via solar - About 2-8 hours


 **CAUTION:** Be sure to empty and charge your Patriot Power Voyager XL every six months to maintain battery capacity.

3. Using the USB ports:

- Using the cord that came with your personal device, plug cord into either the USB-A or USB-C port. The ports will automatically activate and the blue LED will activate, indicating the ports are on. See diagram on page 9.
- Plug in your personal device and use/charge normally.
- USB ports will remain active once turned on. To turn them off (which will conserve power) press the left arrow button. The blue light will turn off indicating that the outlets are now powered down.

4. Using the AC port:

- Plug device into the AC outlet.
- Press the right arrow button to activate the AC outlet. This will also turn on the fan. You will hear the fan begin to run as AC power is drawn.
- AC port will remain active once turned on. To turn them off (which will conserve power) press the right arrow button. The blue light will turn off indicating that the outlet is now powered down.

 **CAUTION:** The Patriot Power Voyager XL will automatically shut down if the battery power gets too low. Over-discharging the battery past this point may make it impossible to recharge the battery.


CALCULATING RUN TIME


The Patriot Power Voyager XL holds 96 watt-hours. To find out how long the Voyager will be able to power your device, you will first need to know how much power that device draws. To find this, look at the specifications on a sticker on the device, look at the device's user guide, or plug it into the Voyager and look at the watts out. Then simply divide the Voyager's 96 Wh by the device's watts:

Example: $96\text{Wh}/20\text{W} = 4.8$ hours. (4 hours and 48 minutes)

This math is based on perfect conditions and does account for things like fluctuations in the power draw, but will give a rough idea of how long your item will run with a fully-charged Voyager XL.

TROUBLESHOOTING

The following is a list of possible error codes that may appear with a caution symbol , along with instructions on how to clear them. If you are still having problems after the reset, call Customer Service: (800) 304-4202.


Error Code(s)*	Indicator	Resolution
E01	Unknown error. Used when the system can't pinpoint issues.	Press and hold AC button to clear.
E02	Short Circuit. WARNING: resolve issue before retrying	Remove foreign object from port, allow to dry or check wiring of appliance. Press and hold AC button to clear error.
E03, E04, E05, E08, E10, E23, E24, E28, E30, E31, E32, overvolt	Overcurrent/Overpower/ Overvolt	Unplug your appliance. Check the specifications of the item you are trying to power - it may be too large for the Voyager. Press and hold AC button to clear error.
E09, E27, E34, E39	Undervoltage protection	Unplug your appliance/charger. Check Voyager's technical specification - your item may not be compatible. Press and hold AC button.
E07, E26, E29, E35, E37	High temperature error	Unplug Voyager from output and charging. Move to a cooler location/ shade and allow unit to cool off before retrying.
E36, E38	Low temperature error	Unplug Voyager from output and charging. Move to a warmer location and allow battery to unfreeze before retrying.
E40	Fan error	Fan is blocked or broken. Check for foreign objects in venting. Press and hold AC or DC button to retry.
	Low battery warning	To conserve correct battery operation the unit will turn off when the battery is under 4% full or voltage output is too low. Charge the battery to full before retrying.

Why are there so many error codes? Each code can tell Customer Service where inside the unit the issue is happening and, in some cases, the level of severity of the issue.

If you need to call Customer Service with an error issue, please be sure to note the error number, so we can better resolve the issue.

MAINTENANCE & CLEANING

Be sure to use and charge your Patriot Power Voyager XL at least every six months to maintain the battery capacity. It is recommended that during this biannual charge that you first use the battery to run or charge a smaller item (like your phone) using the battery to empty or nearly empty and then charging all the way to full.

 **CAUTION:** Failure to charge the battery regularly may decrease the overall battery capacity.

If your Voyager XL becomes dirty, simply wipe with damp cloth. Do not scour or submerge. Do not allow water to enter the input/output ports or vents at any time.

Disposal information: Dispose of the Voyager XL only after complete discharge. Batteries are hazardous chemicals. Please strictly follow all local guidelines and regulations regarding disposal/recycling of hazardous materials.

TECHNICAL SPECIFICATIONS

UNIT BODY

Battery Capacity: 96 Watt-Hours

Battery Chemistry: Lithium-Iron Phosphate

Nominal Voltage: 19.2V

DC Input Voltage: 12V/5A= 60 W or 24V/4A=96W

Temperature Range: MAX 140° F

Expected Battery Life: 2,000 Cycles

AC POWER

AC Output: 120V

Continuous AC Output Power: 120 Watts

Peak AC Output Power: 180 Watts (500ms)

Wave Form: Pure Sine Wave

TECHNICAL SPECIFICATIONS CONT'D.

USB TYPE A X2

DC Output Voltage: 5V

DC Output Current (MAX): 12 Watts

USB TYPE C X2

Combined DC Max Wattage: 135 Watts

Upper Port:

DC Input Voltage: 60 Watts

DC Output Voltage: 100 Watts

Lower Port:

DC Output Voltage: 60 Watts

Weight and Dimensions: 2.6 lbs; 8.8' x 6.1" x 1.5"

ENVIRONMENTAL CONSIDERATIONS

Operating Temperatures:

32 to 104°F (0-40°C)

Storage Temperatures:

-4 to 113°F (less than 3 months)

-4 to 77°F (less than one year)

Humidity: 10-70%

Operating Conditions:

- Keep out of rainy, damp, or snowy conditions.
- When charging outside with a solar panel, use the panel to shade the unit for better charging efficiency.
- Do not store in a hot vehicle for extended periods of time (i.e. anything over 5 hours).

WARRANTY INFORMATION

All 4Patriots products, including the Patriot Power Voyager XL, come with a one-year manufacturer's warranty.

What Does My Warranty Cover?

This Limited Warranty is provided by 4Patriots and covers defects in function and materials in your Portable Power Supply. This warranty period lasts for one year from the date of delivery to the original end user. After one year following the date of delivery, the warranty is void and the product will no longer be eligible for exchange. You will be required to provide proof of purchase to make warranty claims.

Warranty does not cover normal wear and tear of the product, and 4Patriots will not be responsible for any defect in or damage to the product if it has been misused, neglected, physically damaged or altered, either internally or externally, or damaged from improper use or being used in an unsuitable environment. If it has been subjected to fire, water, general corrosion, biological infestations, or input voltage that creates operating conditions beyond the maximum or minimum limits listed in the 4Patriots product specifications, the warranty claim may be denied and the claimant responsible for any return shipping charges.

Can I Return This Product for a Refund?

You can return your product for a full refund within the first 365 after delivery. Returns may be subject to a restocking fee.

How Do I Get Service?

If your product requires troubleshooting, warranty service, or a return, please contact 4Patriots customer service.

Contact Information:

4Patriots Customer Service
(800) 304-4202 or help@4patriots.com

For chat/returns information or further questions:
<https://4patriots.com/pages/contact-us>

COMPLIANCE & REGULATIONS

FCC Statement:

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This product may not cause harmful interference, and
2. This product must accept any interference received, including interference that may cause undesired operation.

Notice: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. *Orient or relocate the receiving antenna.*
2. *Increase the separation between the equipment and receiver.*
3. *Connect the equipment into an outlet or circuit different from that to which the receiver is connected.*
4. *Consult the dealer or an experienced radio/TV technician for help.*

RoHS Compliance Statement:

The Restriction of Hazardous Substances Directive restricts the use of six hazardous materials in the manufacture of various types of electronic and electrical equipment.

This product has been certified RoHS compliant as of October 2024.

TRADEMARKS

4Patriots product names are a trademark of 4Patriots. Other trademarks, registered trademarks and product names are the property of their respective owners and are used herein for identification purposes only.

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EXCLUSIONS FOR DOCUMENTATION

Unless specifically agreed to in writing, 4Patriots and the Patriot Power Voyager XL:

- A.** Make no warranty as to the accuracy, sufficiency or suitability of any technical or other information provided in its manuals or other documentation
- B.** Assume no responsibility or liability for losses, damages, costs or expenses, whether special, direct, indirect, consequential or coincidental, which might arise out of the use of such information.
The use of any such information will be entirely at the user's risk.
- C.** Cannot guarantee the accurate translation of this manual into languages other than English. Approved 4Patriots content is contained within the English language version, which is posted at www.patriotpowergenerator.com

DATE AND EDITION

October 2024, 1st Ed.

CONTACT INFORMATION

Billing & General Customer Support:

2920 Berry Hill Dr., Suite 300
Nashville, TN 37204 USA

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help@4patriots.com

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